



## **2021 POWER SOURCE DISCLOSURE REPORTS AND POWER CONTENT LABEL FOR THE CALIFORNIA ENERGY COMMISSION**

### **Riverside Public Utilities**

**Board of Public Utilities**  
September 12, 2022

[RiversideCA.gov](http://RiversideCA.gov)

## **BACKGROUND**

1. SB 1305 (1997) and AB 162 (2009) require retail electricity suppliers to disclose information on energy resources to consumers.
2. A Power Source Disclosure (PSD) Report is filed annually by June 1<sup>st</sup> to the California Energy Commission (CEC).
3. A Power Content Label (PCL) is filed annually by October 1<sup>st</sup> to the CEC and distributed to customers via utility bills.
4. Publicly Owned Utilities are required to have these disclosures approved and attested by their governing board.



2

[RiversideCA.gov](http://RiversideCA.gov)

## BACKGROUND

5. At the City Council meeting on June 17, 2008, the City Council delegated the approval and attestation authority for future annual reports to the Board of Public Utilities. Since that time, the Board has been responsible for reviewing and attesting to the PSD report.
6. In December 2019, the CEC adopted updated regulations incorporating AB 1110 to include associated greenhouse gas emissions for CY 2020 reporting.



3

RiversideCA.gov

## RPU 2021 POWER SOURCE DISCLOSURE GENERAL POWER MIX

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
<b>Renewable Procurements</b>	898,170	43.1%
Biomass & Biowaste	-	0.0%
Geothermal	600,005	28.8%
Eligible Hydroelectric	-	0.0%
Solar	237,857	11.4%
Wind	60,308	2.9%
Coal	586,565	28.2%
Large Hydroelectric	28,765	1.4%
Natural gas	67,405	3.2%
Nuclear	101,095	4.9%
Other	-	0.0%
Unspecified Power	400,523	19.2%
<b>Total</b>	<b>2,082,522</b>	<b>100.0%</b>

Riverside reached  
**43.1% renewables in 2021** – exceeding the State's 35.8% mandate

<b>Total Retail Sales (MWh)</b>	<b>2,082,522</b>
---------------------------------	------------------

<b>GHG Emissions Intensity (converted to lbs CO<sub>2</sub>e/MWh)</b>	<b>809</b>
-----------------------------------------------------------------------	------------

<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>	<b>0.0%</b>
---------------------------------------------------------------------	-------------



4

RiversideCA.gov

## RPU 2021 POWER SOURCE DISCLOSURE 100% RENEWABLE ENERGY TARIFF MIX

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
<b>Renewable Procurements</b>	<b>2,085</b>	<b>100.0%</b>
Biomass & Biowaste	-	0.0%
Geothermal	1,043	50.0%
Eligible Hydroelectric	-	0.0%
Solar	625	30.0%
Wind	417	20.0%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
<b>Total</b>	<b>2,085</b>	<b>100.0%</b>

Riverside offers a 100% Renewable Energy Tariff option to residential and commercial customers and sold 2,085 MWh under this program in 2021.

<b>Total Retail Sales (MWh)</b>	<b>2,085</b>
<b>GHG Emissions Intensity (converted to lbs CO<sub>2</sub>e/MWh)</b>	<b>24</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>	<b>0.0%</b>

Note: The current CEC carbon accounting methodology attributes a small amount of GHG emissions to geothermal resources, based on balance-of-plant activities.



5

RiversideCA.gov

## RPU 2021 POWER CONTENT LABEL

2021 POWER CONTENT LABEL			
City of Riverside, Riverside Public Utilities			
<a href="https://riversideca.gov/utilities/residents/our-energy/power-resources">https://riversideca.gov/utilities/residents/our-energy/power-resources</a>			
Greenhouse Gas Emissions Intensity (lbs CO <sub>2</sub> e/MWh)	Energy Resources	RPU General Power Mix	RPU 100% Renewable Energy Mix
RPU General Power Mix: <b>809</b>	Eligible Renewable <sup>1</sup>	<b>43.1%</b>	<b>100.0%</b>
RPU 100% Renewable Energy Mix: <b>24</b>	Biomass & Biowaste	0.0%	0.0%
2021 CA Utility Average: <b>456</b>	Geothermal	28.8%	50.0%
	Eligible Hydroelectric	0.0%	0.0%
	Solar	11.4%	30.0%
	Wind	2.9%	20.0%
	Coal	28.2%	0.0%
	Large Hydroelectric	1.4%	0.0%
	Natural Gas	3.2%	0.0%
	Nuclear	4.9%	0.0%
	Other	0.0%	0.0%
	Unspecified Power <sup>2</sup>	19.2%	0.0%
	<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>
	Percentage of Retail Sales Covered by Retired Unbundled RECs <sup>3</sup> :	0%	0%

<sup>1</sup>The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.

<sup>2</sup>Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.

<sup>3</sup>Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above.

For specific information about this electricity portfolio, contact: City of Riverside, Riverside Public Utilities 951-782-0330

For general information about the Power Content Label, visit: <http://www.energy.ca.gov/pcl/>

For additional questions, please contact the California Energy Commission at: Toll-free in California: 844-454-2906 Outside California: 916-653-0237

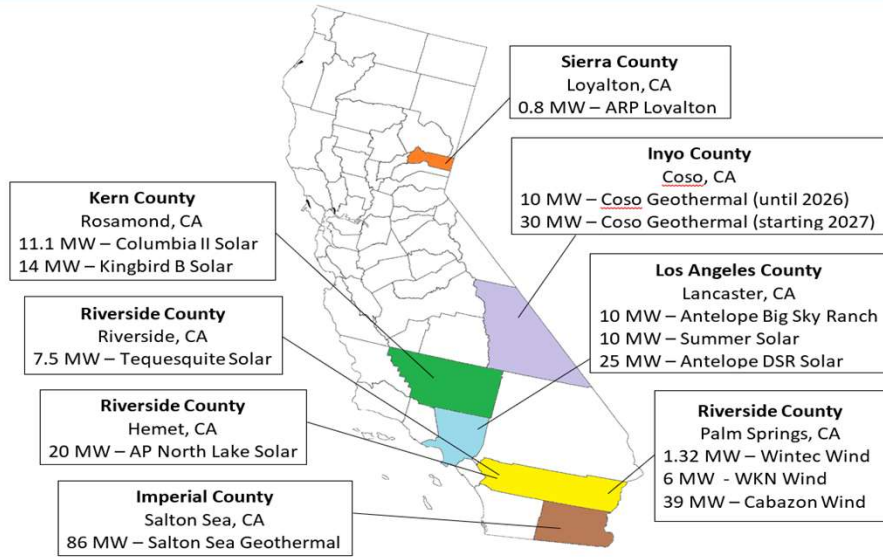
Power Content Label: shows the greenhouse gas emissions intensity level of each portfolio compared to the statewide average intensity level.



6

RiversideCA.gov

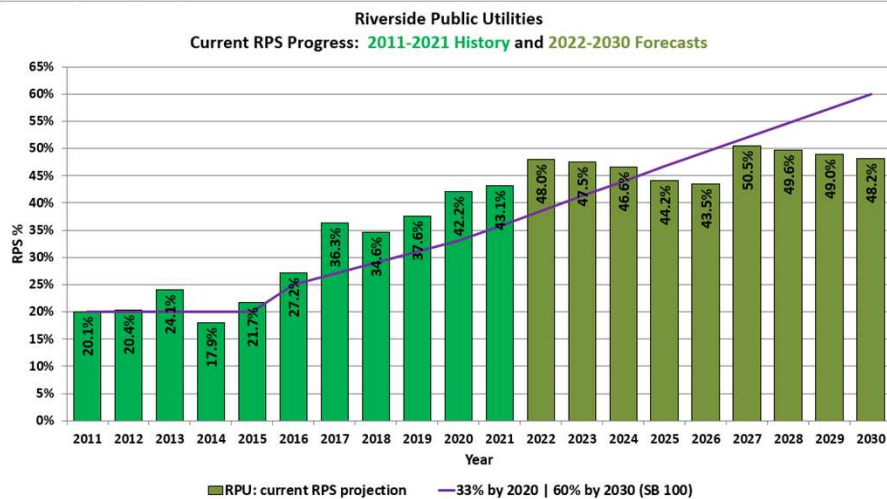
## RENEWABLE RESOURCES MAP



RiversideCA.gov

7

## RPS PROGRESS



Riverside's achieved (2011-2021) and forecasted (2022-2030) renewable energy amounts, by year.

Overlaid purple line defines the SB 100 minimum annual RPS mandates.



RiversideCA.gov

8

## STRATEGIC PLAN ALIGNMENT



### Priority 4 - Environmental Stewardship

**Goal 4.1:** Rapidly decrease Riverside's carbon footprint ... while continuing to ensure safe, reliable, and affordable energy for all residents.

#### Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



9

RiversideCA.gov

## RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve the 2021 Power Source Disclosure Reports;
2. Attest to the veracity of the 2021 Power Source Disclosure Reports;
3. Approve the 2021 Power Content Label;
4. Attest to the veracity of the 2021 Power Content Label; and
5. Authorize the City Manager, or designee, to execute and submit the attestations of the 2021 Power Source Disclosure Reports and Power Content Label to the California Energy Commission.



10

RiversideCA.gov